

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicant's or agent's file reference <b>46302.W001</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB2004/003025</b>	International filing date (day/month/year) <b>13/07/2004</b>	(Earliest) Priority Date (day/month/year) <b>14/07/2003</b>
Applicant <b>CELLFACTORS PLC</b>		
<p>This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This International Search Report consists of a total of <u>5</u> sheets.</p> <p><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>		
<p>1. <b>Basis of the report</b></p> <p>a. With regard to the <b>language</b>, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. <input type="checkbox"/> With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, see Box No. I.</p> <p>2. <input checked="" type="checkbox"/> <b>Certain claims were found unsearchable</b> (See Box II).</p> <p>3. <input type="checkbox"/> <b>Unity of invention is lacking</b> (see Box III).</p> <p>4. With regard to the <b>title</b>,</p> <p><input type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input checked="" type="checkbox"/> the text has been established by this Authority to read as follows: <b>IRRADIATED OSTEOINDUCTIVE EXTRACELLULAR MATERIAL</b></p> <p>5. With regard to the <b>abstract</b>,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p> <p>6. With regards to the <b>drawings</b>,</p> <p>a. the figure of the drawings to be published with the abstract is Figure No. _____</p> <p><input type="checkbox"/> as suggested by the applicant.</p> <p><input type="checkbox"/> as selected by this Authority, because the applicant failed to suggest a figure.</p> <p><input type="checkbox"/> as selected by this Authority, because this figure better characterizes the invention.</p> <p>b. <input checked="" type="checkbox"/> none of the figures is to be published with the abstract.</p>		

## INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/003025
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N5/06 A61K41/00
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According to International Patent Classification (IPC) or to both national classification and IPC
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B. FIELDS SEARCHED
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Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K C12N
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS
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C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/030873 A (STRINGER BRADLEY MICHAEL JOHN ; CELLFACTORS PLC (GB)) 17 April 2003 (2003-04-17) cited in the application claims 16,18,19 page 19, line 19 - line 22 page 21, line 17 - page 24, line 4 page 29, line 9 - page 30, line 15	5-15, 32-36
Y	----- -/-	1-4, 16-31

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.
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<input checked="" type="checkbox"/> Patent family members are listed in annex.
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\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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16 September 2004	06/10/2004
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer
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Mauhin, V
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## INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/003025
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GRIEB TERI ET AL: "Effective use of gamma irradiation for pathogen inactivation of monoclonal antibody preparations" BIOLOGICALS, vol. 30, no. 3, September 2002 (2002-09), pages 207-216, XP002296237 ISSN: 1045-1056 cited in the application the whole document -----	1-4, 16-31
Y	US 2001/014831 A1 (SCARBOROUGH NELSON L) 16 August 2001 (2001-08-16) paragraphs '0045!, '0065!, '0067! -----	32-35
Y	WO 02/082973 A (NORLING BARRY K ; SATSANGI NEERA (US); UNIV TEXAS (US); WHANG KYUMIN ) 24 October 2002 (2002-10-24) page 3, line 1 - line 4 page 5, line 18 - page 6, line 6 page 11, line 1 - page 12, line 9 -----	32-35
A	PRUSS AXEL ET AL: "Effect of gamma irradiation on human cortical bone transplants contaminated with enveloped and non-enveloped viruses" BIOLOGICALS, vol. 30, no. 2, June 2002 (2002-06), pages 125-133, XP002296236 ISSN: 1045-1056 cited in the application -----	
A	FRIESS W: "Collagen - biomaterial for drug delivery" EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 45, no. 2, March 1998 (1998-03), pages 113-136, XP004256962 ISSN: 0939-6411 -----	

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003025

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 9,10, 32 and 33 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003025

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 03030873	A	17-04-2003	EP 1434569 A1 WO 03030873 A1	07-07-2004 17-04-2003
US 2001014831	A1	16-08-2001	AT 270905 T AU 2040400 A CA 2355046 A1 DE 69918717 D1 EP 1140239 A1 JP 2002532159 T WO 0035510 A1	15-07-2004 03-07-2000 22-06-2000 19-08-2004 10-10-2001 02-10-2002 22-06-2000
WO 02082973	A	24-10-2002	WO 02082973 A2	24-10-2002

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